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File: DWPI

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TITLE: Composition suitable for mucosal delivery of antigen or vaccine - comprises adjuvant comprising substituted mono- and/or di:glyceride(s) and at least one antigen

ABTX:

USE - (C) is useful as an adjuvant composition for the administration of antigens and vaccines, particularly for mucosal administration. The Ag in (C) may be used in the treatment of allergy, cancer, infectious disease, autoimmune disease (claimed) or a disease affected by the immune system. Ag may be a vaccine such as antibacterial, antiviral antifungal antiprion or antiparasitic vaccine or components produced by microorganisms such as IgA-proteases, Protein p38, Protein p43 or mucinase; allergen such as house dust mite, domestic cat allergen, rye grass pollen, short ragweed pollen, midge, egg white, milk protein, bee venom, white faced hornet allergen; components responsible for inducing autoimmune diseases such as myelin or insulin peptide B; vaccine for treating infectious diseases e.g. herpes, IIIV, pappiloma, candida, multiple sclerosis, or treatment of autoimmune diseases such as diabetes, hypo- and hyperthyroidism, psoriasis, arthritis or cancer. Ag may be e.g. tetanus t oxin, influenza virus, diphtheria toxoid, IgA-protease, insulin peptide B, vibriose, salmonella, Spongospora subterranea, respiratory syncytial virus (RSV), Haemophilus influenza outer membrane proteins, Helicobacter pylori urease and recombinant pilins of Neisseria meningitidis and N. gonorrhoeae or portions of these which can stimulate an immune response. Ag may also be all or part of a pathogenic microorganism, or all or part of a protein, glycoprotein, glycolipid, polysaccharide or lipopolysaccharide which is associated with the organism. The method may be used to deliver bioactive agents, particularly herbicides, insecticides, fungicides, plant growth regulators, fertilisers, Ag's and vaccines to plants (claimed) and to stimulate the plants' immune defence system. (C) may be administered to mammals (particularly humans, including toddlers and elderly), birds and fish. Ag may be administered in combination with bacterial toxins and their attenuated derivatives as additional adjuvants or carrier molecules.